

Based Upon: PCT/EP2004/005860

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A kit for producing frame structures for switchgear cabinets, ~~consisting of~~ comprising:

[[a]] a cabinet rack (30) made of four horizontal broad struts (31), four horizontal depth struts (32), ~~as well as~~ and four vertical frame legs (33) of a preset width, a preset depth and a preset height,

[[b]] plate-shaped cover elements (20), ~~which have~~ having on two opposite sides fastening edges (23) beveled at right angles with at least one row of fastening receivers (23.1, 23.2),

[[c]] vertical frames (10) made of two vertical profiled frame elements (11) and two horizontal broad frame struts (12), ~~which can be installed~~ installable in the cabinet rack (30), ~~wherein they can be~~ and one of connected with the depth struts (32), ~~or can be~~ and attached at different spacings by ~~means of~~ base profiled sides (11.3) of the vertical profiled frame elements (11) to ~~the~~ insides of the fastening edges (23) of the cover elements (20) and [[,]] with cover elements (20) used as a bottom element and a top element [[,]] form an independent basic rack (60), and

[[d]] at least one cabinet door (80), ~~which is~~ beveled on a its circumference and ~~can be~~ hinged to the cover elements (20).

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2. (Currently Amended) The kit in accordance with claim 1, wherein ~~characterized in that~~ the broad struts (31), the depth struts (32) and the frame legs (33) of the cabinet rack (30) are formed as sections of respectively identical profiled elements, ~~which are~~ fixedly connected with each other, ~~for example welded together,~~ in the corner areas of the switchgear cabinet rack (30) by ~~means of~~ corner connectors (40).

3. (Currently Amended) The kit in accordance with claim 1, wherein ~~characterized in that~~ the broad struts (31) and the depth struts (32) of the switchgear cabinet rack (30) form a solid bottom frame and a solid cover frame (35) and the vertical frame legs (33), ~~together~~ with the corner connectors (40) form a continuous exterior receiver (36) in the corner areas of the bottom frame and the top frame (35).

4. (Currently Amended) The kit in accordance with ~~one of claims 1 to claim 3,~~ claim 3, wherein ~~characterized in that~~ the vertical profiled frame elements (11) ~~of the vertical frames (11)~~ have a profiled base side (11.3) with at least one row of fastening receivers (11.4)[[,]] which terminate with ~~the~~ front faces of the horizontal broad vertical struts (12) ~~of the vertical frames (10)~~, and lateral legs (11.1

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and 11.6) are beveled off on both sides of the profiled base side (11.3)[[,]] which are oriented to the longitudinal sides of the associated horizontal broad frame struts (12) of the vertical frames (10) and are connected with them.

5. (Currently Amended) The kit in accordance with claim 4, wherein ~~characterized in that~~ at least one row of identical fastening receivers is cut in a uniform aligned graduation into the profiled base side (11.3) and the beveled lateral legs (11.1 and 11.6) of the vertical profiled frame elements (11) ~~of the vertical frames (10).~~

6. (Currently Amended) The kit in accordance with claim 4, wherein ~~characterized in that~~ at least one row of equal ~~or identical~~ fastening receivers (11.4, 11.2, 11.7) is cut ~~in the same or different graduation~~ into respectively the profiled base side (11.3) and ~~[[in]]~~ the beveled lateral legs (11.3 and 11.6) of the vertical profiled frame elements (11) ~~of the vertical frames (10).~~

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7. (Currently Amended) The kit in accordance with ~~one of claims 1 to claim 6, wherein characterized in that~~ the horizontal broad frame struts (12) and the vertical profiled frame elements (11) of the vertical frames (10) are fixedly connected with each other in the corner areas, ~~for example welded together.~~

8. (Currently Amended) The kit in accordance with ~~one of claims 1 to claim 7, wherein characterized in that~~ the horizontal broad frame struts (12) of the vertical frames (10) ~~are provided with~~ have cable guide openings (12.2), and the two vertical frames (10) ~~can be connected via~~ are connectible by fastening receivers (12.3) of the horizontal broad frame struts (12) with ~~the~~ facing tops of the horizontal depth struts (32) of the cabinet rack (30) at different distances from each other.

9. (Currently Amended) The kit in accordance with claim 8, ~~wherein characterized in that~~ the base plates (21) of the cover elements (20) ~~are provided with~~ have cable introduction recesses (21.2) in the basic rack (60) above the horizontal broad frame struts (12) of the vertical frames (10).

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10. (Currently Amended) The kit in accordance with ~~claims 8 and~~ claim 9, wherein ~~characterized in that~~ the fastening edges (23) of the cover elements (20) have connecting strips (26) beveled toward ~~the~~ an exterior on ~~their~~ free edges ~~[[,]]~~ and protrude ~~past~~ beyond the base plate (21) of the cover elements (20) over the fastening edges (23) and ~~together~~ with the connecting strips (26) form receivers for attaching lateral walls on the basic rack (60).

11. (Currently Amended) The kit in accordance with ~~one of claims 8 to~~ claim 10, wherein ~~characterized in that~~ the base plates (21) of the cover elements (20) protrude at ~~the~~ sides extending perpendicularly ~~[[in]]~~ with respect to the fastening edges (23) and have bevels (25), on which a cabinet door ~~can be~~ is hinged and ~~locked~~ lockable, and a fastened rear wall ~~can be fastened~~.

12. (Currently Amended) The kit in accordance with ~~one of claims 8 to~~ claim 11, wherein ~~characterized in that~~ the base plates (21) of the cover elements (20) ~~are provided with~~ have a center opening (21.2) and ~~with~~ fastening bores (22) in the corner areas.

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13. (Currently Amended) The kit in accordance with ~~one of claims 1 to claim 12, wherein characterized in that~~ the cabinet rack (30) is formed of an identical bottom frame (35) and an identical top frame (35)[[,]] which face each other with protruding corner connectors (40) and are connected with each other via the four vertical frame legs (33) to form the cabinet rack (30).

14. (Currently Amended) The kit in accordance with claim 13, ~~wherein characterized in that~~ the vertical frame legs (33) of the cabinet rack (30) have a profiled element with a plug-in connection (33.3) for ~~a~~ the plug-in element (40.2) of the corner connectors (40), wherein, ~~together with the~~ an exterior contour[[,]] the profiled element ~~constitutes~~ forms the exterior receptacle (36)[[,]] which is ~~designed to be~~ symmetrical [[in]] with respect to ~~the~~ a diagonal plane of the bottom frame and the top frames frame (35).

15. (Currently Amended) The kit in accordance with claim ~~13~~ or 14, ~~wherein characterized in that~~ the bottom frame and the top ~~frames~~ frame (35) of the cabinet rack (30) have corner receivers (35.1)[[,]] into which the corner connectors (40) ~~can be~~ are placed with a filler element (40.1) and connected with one of the bottom frame and the [[or]] top frame (35) ~~wherein, and with an~~ their

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exterior contour[[,]] the filler elements (40.1) of the corner connectors (40) extend the exterior receptacles (36) of the vertical profiled frame element (33) of the cabinet rack (30) past beyond the bottom frame and the top frame (35).

16. (Currently Amended) The kit in accordance with ~~one of claims 13 to claim 15, wherein characterized in that~~ the front sides (33.1, 33.2) of the vertical profiled frame elements (33) of the cabinet rack (30) are connected ~~in an upright manner~~ with the facing sides of the bottom frame and [[of]] the top ~~frames~~ frame (35) and the filler elements (40.1) of the corner connectors (40).

17. (Currently Amended) The kit in accordance with ~~one of claims 13 to claim 16, wherein characterized in that~~ the vertical profiled frame elements (33) of the cabinet rack (30) form a channel (33.0)[[,]] open to ~~the~~ an interior of the cabinet rack (30), between the bottom frame and the top frame ~~frames~~ (35), which ~~can be~~ is closed by ~~means of~~ a profiled box (50), and ~~this~~ the profiled box (50) has vertical channels (50.1, 50.2) and ~~is provided with~~ rows of bores (50.4) in ~~the~~ a cover wall (50.3).

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18. (Currently Amended) The kit in accordance with claim 17, ~~wherein characterized in that~~ the cover wall (50.3) of the profiled box (50) covers the channel (33.0) in the vertical profiled frame elements (33) of the cabinet rack (30) with covering strips (50.5).

19. (Currently Amended) The kit in accordance with ~~one of claims 16 to claim~~ 18, ~~wherein characterized in that the~~ a profiled side (33.4) of the vertical profiled frame section (33) forming the channel (33.0) supports connecting strips (33.5) formed on ~~the~~ an exterior of the free profiled side (33.6).

20. (Currently Amended) The kit in accordance with ~~one of claims 1 to claim~~ 19, ~~wherein characterized in that~~ the cabinet door (80) ~~is provided with~~ has a beveled edge (82, 83)[[,]] which receives hinge elements (87) with hinge bolts (86), which can be inserted into bearing receivers (28) of the cover elements (20) of the basic rack (60)[[,]] in the corner areas of the hinge side of the cabinet door (80), and the hinge bolts (86) are adjustable in an axially limited manner in the hinge elements (87) and can be fixed on the bevel (25) of the cover elements (20) against shifting ~~so they do not shift~~, at least in ~~the~~ a position in ~~which they are~~ engaged with ~~the one of~~ a facing bearing receiver (28) [[or]] and a bearing bushing (29).

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21. (Currently Amended) The switchgear cabinet in accordance with ~~one of claims 1 to~~ claim 20, wherein ~~characterized in that the~~ end edges (23.3) of the fastening edges (23) of the cover elements (20) are set back ~~in relation~~ relative to the bevel (25) ~~at a minimum~~ by at least an amount ~~which that~~ at least corresponds to ~~the~~ dimensions of ~~the~~ a first door bevel (82) directed perpendicularly to ~~the~~ a door leaf.

22. (Currently Amended) The switchgear cabinet in accordance with ~~one of claims 1 to~~ claim 21, wherein ~~characterized in that~~ bearing bushes (29) are inserted into the bearing receivers (28) in the bevels (25) of the cover elements (20).

23. (Currently Amended) The switchgear cabinet in accordance with ~~one of claims 1 to~~ claim 22, wherein ~~characterized in that the~~ a lock side of the cabinet door (80) has displaceable locking bars[[,]] which ~~can be~~ are shifted one of manually [[or]] and by ~~means of~~ a rod closing device and ~~can be inserted~~ are insertable into one of the bearing receivers (28) and the [[or]] bearing bushes (29) of the bevels (25) of the cover elements (20) of the basic rack (60), ~~or can be moved out of them~~ and are removable.

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24. (New) The kit in accordance with claim 1, wherein the vertical profiled frame elements (11) have a profiled base side (11.3) with at least one row of fastening receivers (11.4) which terminate with front faces of the horizontal broad vertical struts (12), and lateral legs (11.1 and 11.6) are beveled off on both sides of the profiled base side (11.3) which are oriented to longitudinal sides of the associated horizontal broad frame struts (12) of the vertical frames (10) and connected.

25. (New) The kit in accordance with claim 1, wherein the horizontal broad frame struts (12) and the vertical profiled frame elements (11) of the vertical frames (10) are fixedly connected with each other in the corner areas.

26. (New) The kit in accordance with claim 1, wherein the horizontal broad frame struts (12) of the vertical frames (10) have cable guide openings (12.2), and the two vertical frames (10) are connectible by fastening receivers (12.3) of the horizontal broad frame struts (12) with facing tops of the horizontal depth struts (32) of the cabinet rack (30) at different distances from each other.

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27. (New) The kit in accordance with claim 1, wherein the cabinet rack (30) is formed of an identical bottom frame (35) and an identical top frame (35) which face each other with protruding corner connectors (40) and are connected with each other via the four vertical frame legs (33) to form the cabinet rack (30).

28. (New) The kit in accordance with claim 1, wherein the cabinet door (80) has a beveled edge (82, 83) which receives hinge elements (87) with hinge bolts (86), which can be inserted into bearing receivers (28) of the cover elements (20) of the basic rack (60) in the corner areas of the hinge side of the cabinet door (80), and the hinge bolts (86) are adjustable in an axially limited manner in the hinge elements (87) and can be fixed on the bevel (25) of the cover elements (20) against shifting, at least in a position engaged with one of a facing bearing receiver (28) and a bearing bushing (29).

29. (New) The switchgear cabinet in accordance with claim 1, wherein end edges (23.3) of the fastening edges (23) of the cover elements (20) are set back relative to the bevel (25) by at least an amount that at least corresponds to dimensions of a first door bevel (82) directed perpendicularly to a door leaf.

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30. (New) The switchgear cabinet in accordance with claim 1, wherein bearing bushes (29) are inserted into the bearing receivers (28) in the bevels (25) of the cover elements (20).

31. (New) The switchgear cabinet in accordance with claim 1, wherein a lock side of the cabinet door (80) has displaceable locking bars which are shifted one of manually and by a rod closing device and are insertable into one of the bearing receivers (28) and the bearing bushes (29) of the bevels (25) of the cover elements (20) of the basic rack (60), and are removable.

32. (New) A kit for producing frame structures for switchgear cabinets, comprising:

a cabinet rack (30) including four horizontal broad struts (31), four horizontal depth struts (32), and four vertical frame legs (33), each of a preset width, a preset depth and a preset height, two vertical frames (10) each including two horizontal broad frame struts (12) and two vertical profiled frame elements (11) installable in a cabinet rack (30) and each connectible with the depth strut (32), cover elements (20) including a bottom element and a top element connectible with two spaced-apart of the vertical frames (10) to form an independent basic rack (60), and

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at least one cabinet door (80) each hingedly attached on one of the cover elements (20) and beveled on a circumference of the at least one cabinet door (80).